Interna **Application No** PCT/IB2004/004173

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 C07D473/00 A61K31/52

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

 $\begin{array}{ll} \mbox{Minimum documentation searched (classification system followed by classification symbols)} \\ \mbox{IPC 7} & \mbox{C07D} & \mbox{A61K} \end{array}$

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, CHEM ABS Data

Category °	Citation of document, with Indication, where appropriate, of the relevant passages	Relevant to claim No.
Р,Х	JP 2004 217582 A (ABBOTT JAPAN CO LTD) 5 August 2004 (2004-08-05) & Automatic translation Whole document page 1 of description, first paragraph (field of invention) Example 90 in table 41 Claims 1-3	1-21
	WO 03/002566 A (CV THERAPEUTICS, INC; PALLE, VENKATA; VARKHEDKAR, VAIBHAV; ZABLOCKI, J) 9 January 2003 (2003-01-09) cited in the application the whole document	1-21

	
Further documents are listed in the continuation of box C.	Patent family members are listed in annex.
Special categories of cited documents: A' document defining the general state of the art which is not considered to be of particular relevance E' earlier document but published on or after the International filing date L' document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) O' document referring to an oral disclosure, use, exhibition or other means P' document published prior to the international filing date but later than the priority date claimed	 "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art. "&" document member of the same patent family
Date of the actual completion of the international search 27 May 2005	Date of mailing of the international search report 08/06/2005
Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL – 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Deutsch, W

Intern Application No
PCT/IB2004/004173

	PC1/1B2004/0041/3
	Industrial Control
Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
EP 1 221 444 A (EISAI CO., LTD) 10 July 2002 (2002-07-10) cited in the application the whole document	1-21
WO 01/49688 A (UNIVERSITAIRE INSTELLING ANTWERPEN; USTAV EXPERIMENTALNI BOTANIKY AKAD) 12 July 2001 (2001-07-12) cited in the application the whole document	1-21
OEGRID, DAGFINN ET AL: "Evidence that cyclic nucleotides activating rabbit muscle protein kinase I interact with both types of cAMP binding sites associated with the enzyme" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 258, no. 2, 1983, pages 1041-1049, XP002329461 Registry Number 8443-42-1 Adenosine, 8-(3,5-dimethyl-1H-pyrazol-1-yl)-cyclic 3',5'-(hydrogen phosphate) the whole document	1-20
WO 92/05175 A (BEECHAM GROUP PLC) 2 April 1992 (1992-04-02) the whole document Claim 1 Example 9 Pages 44-46 (Inhibition of phosphodiesterase)	1–21
US 6 228 859 B1 (CAVALLA DAVID J ET AL) 8 May 2001 (2001-05-08) cited in the application the whole document	1-21
US 6 413 975 B1 (CHASIN MARK ET AL) 2 July 2002 (2002-07-02) cited in the application the whole document	1-21
	EP 1 221 444 A (EISAI CO., LTD) 10 July 2002 (2002-07-10) cited in the application the whole document WO 01/49688 A (UNIVERSITAIRE INSTELLING ANTWERPEN; USTAV EXPERIMENTALNI BOTANIKY AKAD) 12 July 2001 (2001-07-12) cited in the application the whole document OEGRID, DAGFINN ET AL: "Evidence that cyclic nucleotides activating rabbit muscle protein kinase I interact with both types of cAMP binding sites associated with the enzyme" JOURNAL OF BIOLOGICAL CHEMISTRY, vol. 258, no. 2, 1983, pages 1041-1049, XP002329461 Registry Number 8443-42-1 Adenosine, 8-(3,5-dimethyl-1H-pyrazol-1-yl)-cyclic 3',5'-(hydrogen phosphate) the whole document WO 92/05175 A (BEECHAM GROUP PLC) 2 April 1992 (1992-04-02) the whole document Claim 1 Example 9 Pages 44-46 (Inhibition of phosphodiesterase) US 6 228 859 B1 (CAVALLA DAVID J ET AL) 8 May 2001 (2001-05-08) cited in the application the whole document US 6 413 975 B1 (CHASIN MARK ET AL) 2 July 2002 (2002-07-02) cited in the application

Inten Application No
PCT/IB2004/004173

Patent docu cited in search		Publication date		Patent family member(s)	Publication date
JP 20042	17582 A	05-08-2004	NONE		
WO 03002	566 A	09-01-2003	CA EP JP WO US	2451244 / 1401837 / 2004536102 1 03002566 / 2003064999 / 2004209899 /	A1 31-03-2004 T 02-12-2004 A1 09-01-2003 A1 03-04-2003
EP 12214	44 A	10-07-2002	AU AU CA EP NZ US CN WO	778450 E 5571700 / 2376835 / 1221444 / 516260 / 6841549 E 1365361 / 0102400 /	32 09-12-2004 A 22-01-2001 A1 11-01-2001 A1 10-07-2002 A 27-08-2004 B1 11-01-2005 A ,C 21-08-2002
WO 01496	88 A	12-07-2001	AU CA CZ WO EP JP NO US	3540101 / 2396276 / 20022353 / 0149688 / 1244668 / 2003519232 1 20023247 / 2003187261 /	A1 12-07-2001 A3 12-02-2003 A1 12-07-2001 A1 02-10-2002 T 17-06-2003 A 09-09-2002
WO 92051	75 A	02-04-1992	AU AU CA EP WO IE JP MX NZ PT ZA	653364 E 8541391 A 2092430 A 0550570 A 9205175 A 913350 A 6501251 T 9101237 A 239921 A 99062 A 9107610 A	15-04-1992 27-03-1992 27-03-1992 21 14-07-1993 21 02-04-1992 21 08-04-1992 22-1994 23-12-1993 23-12-1993 24 31-08-1992
US 62288	59 B1	08-05-2001	US US AT AU AU AU AU BR BR CA CN CN	2003073834	31

Interns I Application No
PCT/IB2004/004173

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 6228859	B1		DE	19882892 TO	22-02-2001
			DE	19882893 TO	22-02-2001
			DE	69816127 D1	07-08-2003
			DE	69816127 T2	22-04-2004
			DK	1045849 T3	27-10-2003
			EP	1044201 A1	18-10-2000
			ĒΡ	1045849 A1	25-10-2000
			EΡ	1045850 A1	25-10-2000
			ES	2202924 T3	01-04-2004
			GB	2346878 A	
			GB	2346879 A	
			HU	0100305 A2	28-01-2002
			HU	0100417 A2	28-12-2001
			HU	0301166 A2	28-08-2003
			JP	2001525412 T	11-12-2001
			JP	3504234 B2	08-03-2004
			JP	2002508376 T	19-03-2002
			JP	2002508377 T	19-03-2002
			JP	2002508378 T	19-03-2002
			JΡ	2002508379 T	19-03-2002
			NO	20002998 A	19-07-2000
			PL	341108 A1	26-03-2001
			PT	1045849 T	28-11-2003
			TR	200001706 T2	21-11-2000
			WO	9931102 A1	24-06-1999
			WO	9931103 A1	24-06-1999
			WO	9931104 A1	24-06-1999
			WO	9931105 A1	24-06-1999
			WO	9929694 A1	17-06-1999
			US	6037470 A	14-03-2000
			US	6057445 A	02-05-2000
US 6413975	B1	02-07-2002	US	2003073834 A1	17-04-2003
			AU	4053800 A	23-10-2000
			BR	0011182 A	10-06-2003
			CA	2367143 A1	12-10-2000
			CN	1377353 A	30-10-2002
			EP	1169321 A2	09-01-2002
			HU	0200938 A2	28-10-2002
			JP	2002541078 T	03-12-2002
			WO	0059449 A2	12-10-2000
			US	6294541 B1	25-09-2001
			US	6319928 B1	20-11-2001